

Express Mail No. EV335510740US  
386998047US  
Attorney's Docket No.: \_\_\_\_\_

PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Energy-Modulating Fiber Grating Sensor the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			Priority Claimed
<u>Prior Foreign Application(s)</u>			
<u>Number</u>	<u>Country</u>	<u>(Foreign Filing Date - MM/DD/YYYY)</u>	<u>Yes</u> <u>No</u>

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

<u>Application Number</u>	<u>(Filing Date - MM/DD/YYYY)</u>
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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Number</u>	<u>(Filing Date - MM/DD/YYYY)</u>	<u>Status - patented, pending, abandoned</u>
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I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Please direct all correspondence to Customer Number 25096, Attn: CHUN M. NG, Registration No. 36,878.

Bar Code:

\*25096\*

25096

PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor Shin Chow-Shing *Shin Chow Shing*

Inventor's Signature *Shin Chow Shing* Date 2003.10.21

Residence Taiwan, R.O.C. Citizenship Taiwan, R.O.C.  
(City, State) (Country)

Post Office Address 5F., No.50, Lane 21, Sec. 4, Sinhai Rd., Wunshan District, Taipei City 116, Taiwan

Full Name of Sole/First Inventor Chiang Chia-Chin

Inventor's Signature *Chiang Chia-chin* Date 2003. 10. 21

Residence Taiwan, R.O.C. Citizenship Taiwan, R.O.C.  
(City, State) (Country)

Post Office Address No.105, Lane 31, Beining Rd., Jhongjheng District, Keelung City 202, Taiwan

APPENDIX A

STEPHEN E. ARNETT, Registration No. 47,392  
RODGER K. CARREYN, Registration No. 50,774  
BRIAN R. COLEMAN, Registration No. 39,145  
CHRISTOPHER DALEY-WATSON, Registration No. 34,807  
PETER J. DEHLINGER, Registration No. 28,006  
DAVID BOGART DORT, Registration No. 50,213  
DAVID T. DUTCHER, Registration No. 51,638  
LEEANN GORTHEY, Registration No. 37,337  
JOSEPH HAMILTON, Registration No. 51,770  
PAUL L. HICKMAN, Registration No. 28,516  
EDWARD S. HOTCHKISS, Registration No. 33,904  
AARON J. POLEDNA, Registration No. 54,675  
STEVEN KELLEY, Registration No. 43,449  
JONATHAN P. KUDLA, Registration No. 47,724  
STEVEN D. LAWRENZ, Registration No. 37,376  
JACQUELINE F. MAHONEY, Registration No. 48,390  
SHAILESH MEHRA, Registration No. 44,934  
JUDY M. MOHR, Registration No. 38,563  
CHUN M. NG, Registration No. 36,878  
NGUYEN H. NGUYEN, Registration No. 43,834  
REBEKKA C. NOLL, Registration No. 46,962  
KENNETH H. OHRINER, Registration No. 31,646  
PAUL T. PARKER, Registration No. 38,264  
MAURICE J. PIRIO, Registration No. 33,273  
TIM R. SEELEY, Registration No. 53,575  
LAUREN SLIGER, Registration No. 51,086  
CARINA M. TAN, Registration No. 45,769  
LARRY W. THROWER, Registration No. 47,994  
GLENN E. VON TERSCH, Registration No. 41,364  
JOHN M. WECHKIN, Registration No. 42,216  
JAMES A.D. WHITE, Registration No. 43,985  
MICHAEL J. WISE, Registration No. 34,047  
ROBERT G. WOOLSTON, Registration No. 37,263  
JAMES J. ZHU, Registration No. 52,396  
all affiliated with Perkins Coie LLP.

## APPENDIX B

### **Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) Prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.